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A colon after initial designates the most common given name, as: A: Augustus; B: Benjamin; C: Charles; D: David; E: Edward; F: Frederic; G: George; H: Henry; I: Isaac; J: John; K: Karl; L: Louis; M: Mark; N: Nicholas; O: Otto; P: Peter; R: Richard; S: Samuel; T: Thomas; W: William. The initials at the end of each record, or note, are those of the recorder.

Corrections of errors and notices of omissions are solicited.

Axon, W: E. A. Dipterous larvae in the human subject. (Entomologist, July 1882, v. 15, p. 164-165.)

Abstract from *British medical journal*, 1 Oct. 1881, in regard to the occurrence of a larva of an unknown dipteran beneath the skin of a girl. G: D. (3505)

Barnard, W: Stebbins. Eggs of *corydalus cornutus*. (Amer. entom., July 1880, v. 3, n. s., v. 1, p. 178. 6 cm.)

Corroboration of conclusions as to the eggs and early development of *corydalus cornutus* set forth in C: V. Riley's "On the larval characteristics of *corydalus* and *chauliodes*..." (Kansas City review of science and industry, Sep. 1878, v. 3, p. 354) [Rec., 3535]; the egg-masses of *c. cornutus* deposited on the vertical, sun-exposed faces of rocks over water, at Ithaca, N. Y., eggs hatch at Ithaca during the last half of August. B. P. M. (3506)

Collier, P: Report of the chemist. (Ann. rept. [U. S.] commissioner agric., for 1878, [22 Nov.] 1879, p. 95-156.)

Contains statements (p. 96, 97) that analyses had been made of the white covering of the eggs of *corydalus cornutus*, of so called bomic acid, and of London purple as a substitute for Paris green as an insecticide; (p. 134, 141) statements of results of these analyses. B. P. M. (3507)

Comstock, J: H: A fragment of a Guide to practical work in elementary entomology, an outline for the use of students in the entomological laboratory of Cornell university. Ithaca, N. Y., 1882. t.-p. cover+t.-p., 35 p., 22x15.

Notice. (Entomologist, June 1882, v. 15, p. 144.) Rev., by B: P. Mann, entitled "Review." (Psyche, June-July 1884, v. 4, p. 185.)

Consists of chapter 1, "Terms denoting position and direction of parts," and chapter 2, "The external anatomy of a grasshopper," of part 1, "Anatomical nomenclature," of author's proposed "Guide to practical work" etc.; need of and suggestions for the improvement of anatomical nomenclature; descriptive of the external anatomy of *caloptenus femur-rubrum*. B. P. M. (3508)

Douglas, J: W: Measurements in descriptive entomology. (Entom. mo. mag., Mich. 1882, v. 18, p. 236-237.)

Crit. rev. by R. McLachlan, with same title. (op. cit., p. 237-238.)

Crit. rev. of R. McLachlan's "Measurements in descriptive entomology; a suggestion" (op. cit., Feb. 1882, p. 205-207), considers the Paris line [2.25 mm.] a standard of measurement for insects, and opposes the use of the millimetre as a unit. G: D. (3509)

Frenzel, Johann. Der Verdauungstractus der Larve des *teuebrio molitor*. Vorläufige Mittheilung. (Zool. Anzeiger. 1 May 1882, jahrg. 5, p. 215-217.)

Anatomical and physiological notes on the digestive tract of the larva of *teuebrio molitor*. G: D. (3510)

Haldeman, S: Stehman. History and transformations of *corydalus cornutus*. (Mem. Amer. acad. arts and sci., 1849 [Jan. 1850], p. 162-168, pl. 1-3.)

Habits and external anatomy (with especial reference to the mouth-parts and genitalia) of *corydalus cornutus*. G: D. (3511)

LeConte, J: Lawrence. Lists of coleoptera collected in 1881 by Dr. Bell and others, in the Lake Superior district and in the north-west territories, east of the 112th meridian and south of the 60th parallel. (Rept. of progress of Geol. and nat. hist. surv. Canada, 1880-1882, Montreal, 1883, 290-390.)

Gives lists of coleoptera from 11 places about Lake Superior. G: D. (3512)

Leidy, Joseph. Internal anatomy of *corydalus cornutus* in its three stages of existence. (Mem. Amer. acad. arts and sci., 1849 [Jan. 1850], p. 162-168, pl. 1-3.)

Describes the digestive apparatus of the larva, pupa, and imago of *corydalus cornutus*, and the generative apparatus and nervous system of the imago of the same insect. G: D. (3513)

McLachlan, Robert. Measurements in descriptive entomology. (Entom. mo. mag., March 1882, v. 18, p. 237-238.)

Reply to J. W. Douglas' "Measurements in descriptive entomology" (*op. cit.*, p. 236-237); the extent to which the metric system is now used precludes the probability that Paris or English lines will ever become general standards of measurement; the use of Paris lines by British writers is especially objectionable.

G: D. (3514)

McLachlan, Robert. Measurements in descriptive entomology; a suggestion. Entom. mo. mag., Feb. 1882, v. 18, p. 205-207.)

Crit. rev., by J. W. Douglas, entitled "Measurements in descriptive entomology." (*op. cit.*, Feb. 1882, p. 236-237.)

Urges British entomologists to use millimetres as units in measurement of insects.

G: D. (3515)

Meade, R. H. Note on parasitic diptera. (Entomologist, June 1882, v. 15, p. 140-141.)

Cyrtoneura stobulans, which is said to live generally on fungi, is, according to C. V. Riley, parasitic on the cotton worm, *Alabama argillacea*.

G: D. (3516)

Observations on the sagacity of the spider (Amer. museum . . . Carey . . . Oct. 1791, v. 10, no. 4, p. 203-204, 31 cm.)

Treats of the habits and web-building of spiders.

B: P. M. (3517)

Osborne, J. A. Further notes on parthenogenesis in coleoptera. (Entom. mo. mag., Nov. 1881, v. 18, p. 128-129.)

Statistics of parthenogenetic reproduction as observed in *Gastrophysa raphani* and compared with reproduction from impregnated females.

G: D. (3518)

Osten Sacken, C: Robert. Dr. F. Müller's discovery of a case of female dimorphism among diptera. (Entom. mo. mag., Nov. 1880, v. 17, p. 130-132.)

Crit. rev. of F. Müller's "Paltostoma torrentium. Eine mücke mit zweigeistaltigen weibchen" (Kosmos, Oct. 1880, Jahrg. 4, Bd. 8, p. 37-42); *paltostoma torrentium* perhaps not a *paltostoma*; geographical distribution of this genus and of the family *blepharoceridae* which differs from most other families of diptera in having the eyes contiguous in some genera and separate in others, but alike, so far as known, in both sexes, in this regard; references to literature on *blepharoceridae*.

B: P. M. (3519)

Osten Sacken, C: Robert. Habits of *bombylius*. (Entom. mo. mag., Feb. 1881, v. 17, p. 206-207.)

Rev. of C. V. Riley's "On the natural history of certain bee-flies, *bombyliidae*." (Amer. entom., Dec. 1880, v. 3, n. 5, v. 1, p. 279-283) [Rec. 3536]; food-animals of *systoechus*, *triodites* and *bombylius*; summary statement of the mode of oviposition of *bombylius*, *lomatia* and *anthrax*, with references to the literature.

B: P. M. (3520)

[Packard, Alpheus Spring.] The horned corydalus. (Amer. nat., Oct. 1867, v. 1, p. 436-437, fig. 1-2.)

Figure and general description of larva and imago of *corydalus cornutus*; low grade of its structure; habits of larva; eggs unknown; form and position of eggs of *stallis*; probably greater abundance of *stallidae* at the carboniferous period than at present.

B: P. M. (3521)

Parfitt, E. *Halictus cylindricus* carnivorous. (Entom. mo. mag., Dec. 1882, v. 19, p. 162-163.)

A male of *halictus cylindricus* captured with other insects in his mouth.

G: D. (3522)

Parthenogenesis bei käfern. (Entom. nachrichten, 15 Jan. 1881, jahrg. 7, p. 31-32.)

Abstract of J. A. Osborne's "Parthenogenesis in the coleoptera" (Nature, 30 Sept. 1880, v. 23, p. 509-510). In the abstract the species is given as "*Gastrophysa raphani*."

G: D. (3523)

Peach, B. N. On some fossil myriapods from the lower old red sandstone of Forfarshire. (Proc. roy. phys. soc. [Edinb.], 1881-1882, p. 177-188, pl. 2.)

Figures and describes *kampecaris forfarensis* and *archidesmus* [nov. gen.] *macnicoli* [n. spec.], apparently the oldest myriapods known.

G: D. (3524)

Pierce, F. N. Three-winged insects. (Pract. nat., June 1883, v. 1, p. 65, 15 cm.)

Mentions several specimens of lepidoptera which lack one posterior wing.

G: D. (3525)

Pike, J. W. Preservation of fossil insects and plants on Mazon Creek. ("Vineland [N. J.] weekly independent" . . . (Science advocate [Atco, N. J.], Oct. 1881, v. 2, p. 57-59, 88 cm.)

General notes on Mazon Creek, Ill., as a source of fossil insects and plants.

G: D. (3526)

Plowright, C: B. On mimicry in fungi. (Grevillea, Sept. 1881, v. 10, p. 1-14.)

Includes remarks on fungivorous insects and on the dissemination of fungi by insect aid.

H: T. (3527)

Poisson, J. Sur deux nouvelles plantes-pièges. (Bull. soc. bot. de France, 12 Jan. 1877, v. 24, p. 26-31.)

Abst., by H. Müller, entitled "Ueber zwei neue fallenpflanzen." (Bot. jahresbericht . . . Just, 1877, v. 5, p. 750, 10 cm.)

Abst., by Asa Gray, entitled "The beheading of flies by *mentzelia ornata*." (Bot. gazette, Oct. 1879, v. 4, p. 213-214.)

Describes, as one of the vegetable traps, the barbed hairs and interspersed glandular hairs on the flower-stalk of *mentzelia*. Flies, attracted by the secretion of the first, insert their tongues between the barbed hairs, and are unable to remove them. In their efforts to escape they often twist their bodies from their heads.

H: T. (3528)

Potato bugs. (New remedies, Sept. 1881, v. 10, p. 284. 3 cm.)

Use of "potato bugs" [*? doryphora decemlineata*] in homoeopathic medicine. *G. D.* (3529)

Ribeaucourt, C. Manuel d'apiculture rationnelle d'après les méthodes modernes. 3e édition revue et augmentée. Paris, 1880. t.-p. cover, 126 p., 15×11, t 11×6.7. General work on apiculture. *G. D.* (3530)

Riley, C: Valentine. On the curious egg mass of *corydalus cornutus*. Linn., and on the eggs that have hitherto been referred to that species. (Proc. Amer. assoc. advanc. sci., for 1876, 1877, v. 25, p. 275-279, 1 fig.)

Reprint, by author, entitled "The hellgrammite. *Corydalus cornutus*. Linn. (9th ann. rept. state entom. Mo., 1877, p. 125-129, fig. 30-33.)

Structure and habits, description of egg-masses and eggs and of newly hatched larvae of *corydalus cornutus*; eggs formerly attributed to this species are probably those of *belostoma grande*; figure of these eggs and of the imago of *b. grande*. *B: P. M.* (3531)

Riley, C: Valentine. The hellgrammite. (Sci. amer., 23 June 1877, v. 36, p. 392-393, 120 cm. 3 fig.)

Structure and habits of *corydalus cornutus*, description and figures of egg-masses, eggs, larvae, pupa and imago of this species; adaptations of sexual structure to varying conditions; figure and description of eggs of *belostoma grande*, formerly supposed to be those of *c. cornutus*. *B: P. M.* (3532)

Riley, C: Valentine. The hellgrammite. *Corydalus cornutus*, Linn. (9th ann. rept. state entom. Mo., 1877, p. 125-129, fig. 30-33.)

Reprint of author's "On the curious egg mass of *corydalus cornutus*" . . . (Proc. Amer. assoc. advanc. sci., for 1876, 1877, v. 25, p. 275-279), with addition of figures of imago, pupa and full-grown larva of *corydalus cornutus* and of imago and eggs of *belostoma grande*; structure and habits, description of egg-masses and eggs and of newly hatched larvae of *corydalus cornutus*; eggs formerly attributed to this species are probably those of *belostoma grande*. *B: P. M.* (3533)

Riley, C: Valentine. The hellgrammite fly: *corydalus cornutus*, Linn. (5th ann. rept. state entom. Mo., 1873, p. 142-145, fig. 69-71.)

Description and figures of larva, pupa and imago of *corydalus cornutus*, and of eggs of *belostoma grande* mistaken for those of the *corydalus*; description of the external respiratory organs of the larva; habits and transformations; adaptation of the jaws of the male imago of this species and of *lucanus clophus* for embracing the female. *B: P. M.* (3534)

Riley, C: Valentine. On the larval characteristics of *corydalus* and *chauliodes* and on the development of *corydalus cornutus*. (Kansas City review of science and industry, Sep. 1878, v. 2, p. 354.)

Reprint. (Can. entom., May 1879, v. 11, p. 96-98.)

Reprint. (Proc. Amer. assoc. advanc. sci., for 1878, [14 July?] 1879, v. 27, p. 285-287.) (RILEY, C: V. Entomological papers. . . . [From the Proceedings (etc.), St. Louis, Mo., August, 1878.] [Salem, Mass., Feb. 1879.] p. 19-21.)

Abstract of paper read by the author at meeting of American association for the advancement of science, Aug. 1878; characters and economic value of larva of *corydalus cornutus*, with brief indication of characters of imago; characters of larva of *chauliodes*; description of eggs of both genera; peculiar situation of egg-masses of the *corydalus* and physical character of their covering; describes particularly the respiratory apparatus and method of respiration of the *corydalus* larvae. [The reprints include a few verbal corrections.]

B: P. M. (3535)

Riley, C: Valentine. On the natural history of certain bee-flies, *bombyliidae*. (Amer. entom., Dec. 1880, v. 3, n. s., v. 1, p. 279-283, fig. 147-151.)

Rev. by C: R. Osten Sacken, entitled "Habits of *bombylius*." (Entom. mo. mag., Feb. 1881, v. 17, p. 206-207.)

Advance reprint and abstract of p. 262-263 of 2d report of U. S. entomological commission, chap. 13 [Rec., 3291], with approximate copies of figs. 1, 1b-1g, 2a, 3, 5a and 7 of pl. 16; larval habits and figures of several stages of *triodites mus* and *systoechus oreas*, with history of their discovery; description and figures of mouth-parts of the larvae; review of previous knowledge of habits of larvae of *bombyliidae*, with references to the literature; distinctive characters of cells and cocoons of *pelopoeus* and *trypoxylon*; habits of *trypoxylon albitorse*; retardation of development in parasitic insects. *B: P. M.* (3536)

Roth, Albrecht Wilhelm. Von der reizbarkeit der blätter des sogenannten sonnenthaues, *drosera rotundifolia*, *longifolia*. (Beyträge zur botanik, Bremen, 1782, theil 1, p. 60-76.)

Describes the capture of insects by the leaves of *dionaea muscipula*, as well as by *drosera rotundifolia* and *d. longifolia*, recording several experiments on the latter genus. *H: T.* (3537)

Rüst. — Eine einfache käferfalle. (Entom. nachrichten, 15 April 1880. jahrg. 6, p. 84-85.)

Mode of constructing a trap, baited with dead animals, for collecting carnivorous and carrion-eating coleoptera. *G. D.* (3538)

Sang, J. *Platyptiliu dichroductyla* and [*p.*] *bertrami*. (Entom. mo. mag., Nov. 1881, v. 18, p. 143-144.)

Discusses the synonymy of *platyptilia dichroductyla* and *p. bertrami*, and gives notes on the early stages of *p. dichroductyla*. G: D. (3539)

Saunders, W: Entomology for beginners. The promethea emperor-moth. *Callosamia promethea*. Drury. (Can. entom., Dec. 1883 [Feb. 1884], p. 231-233, fig. 10-13.)

Figures male and female imago, and larva and cocoon of *callosamia promethea* and gives notes upon them. G: D. (3540)

Scudder, S: Hubbard. The carboniferous hexapod insects of Great Britain. (Mem. Bost. soc. nat. hist., 1883, v. 3, p. 213-224, pl. 17.)

Separate. Boston, June [Oct.] 1883. t.-p. cover, p. 213-224, pl. 17, 30X23, t 22 X16.

Describes *brodia priscotincta* and *archaeoptilus ingens* (2 new genera and species) and *lithostialis bronzeartii*, fossil neuroptera; list of carboniferous hexapods (1 neuroptera, 2 orthoptera and 1 coleopterum) from Great Britain. G: D. (3541)

Scudder, S: Hubbard. The fossil white ants of Colorado. (Proc. Amer. acad. arts and sciences, 1883, v. 19, p. 133-145.)

General notes on fossil *termitina* and their distribution; describes 1 new genus and 6 new species, viz.: *parotermes* (n. g.), *p. insignis*, *p. hugentii*, *p. fodinae*, *laotermes? coloradensis*, *cutermes fossarium*, and *e. meadii*, all from tertiary beds of Florissant, Colorado. G: D. (3542)

Siewers, C: Godfrey. Some notes on coleoptera for beginners. (Can. entom., July 1880, v. 12, p. 138-139.)

Modes of collecting and preparing coleoptera.

G: D. (3543)

Stanley, H: M. Through the dark continent, or the sources of the Nile, around the great lakes of equatorial Africa and down the Livingstone river to the Atlantic ocean. 2 v. N. Y., Harper & Brothers, 1878. v. 1, 14+522 p.; v. 2, 10+566 p.; 23X15, t 17X9.7. "With 10 maps and 150 woodcuts" and 2 por. of Stanley. Cloth, \$10; sheep, \$12; half-morocco or half-calf, \$15. Sold by subscription only.

Entomological notes, brief and of a popular nature, are found in v. 1, as follows: p. 72, precautions against white ants [*termes*]; p. 157 and 402, mosquitoes [*culex*]; p. 220-221, general remarks on insects of Musira island, in Victoria Nyanza lake. Vol. 2 contains the following: p. 50-60, 292, 297, 310, 317, and 301, mosquitoes [*culex*]; p. 60, name of lake Nyanza Muta Nzige means "Lake of dead locusts"; p. 106, 235, 310 and 301, ants and their attacks; p. 121, honey, white-ants and grasshoppers sold in the market at Nyangwé; p. 138, myriapoda, beetles and ants; general notes on the insects at the junction of the Lowwa with the upper Livingstone river; p. 202, and 310, (setse and other flies; p. 301, the "jirga" [*sarcophylla penetrans*]; p. 360, ulcerous diseases conveyed by flies; p. 387 bees and their wax at Mowa on the lower Livingstone river. G: D. (3544)

Syme, J: Boswell. On the fertilization of grasses. (Journ. roy. hort. soc., 17 Apr. 1872, [1873], n. s., v. 4, p. 7-9.)

Remarks on the maturation of the flowers of several genera of *gramineae*, and on the insects which visit these flowers. *Dactylis glomerata*, *psamma arvensis* and *glycyrrhiza fluitans* are very attractive to lepidoptera, as is evinced by a long list of species taken on their flowers. W: T. (3545)

Walsh, B: Dann. Fire-blight. Two new foes of the apple and pear. (Prairie farmer. 6 Sep. 1862, [v. 26], n. s., v. 10, p. 147-149. 189 cm., 7 fig.)

Definition of fire-blight; this disease not caused by attacks of *scolytus pyri*, but suspected to be caused by attacks of *chloroneura malefica* and *ch. maligna*; figures of these insects and of the neurulation of the upper and lower wings of their allies; distinctive characters, habits and ravages of these insects; synoptical table to distinguish the genera *typhlocyba*, *empasca* n. g., *empoa*, *chloroneura* n. g., and *erythroneura*; description of *typhlocyba urens*, t. *fallidula*, t. *binotata*, *empasca viridescens*, *e. consobrina*, *e. obtusa*, *empasca abicans*, *chloroneura abnormis*, *ch. malefica*, *ch. maligna*, *erythroneura australis*, *e. euzac* and *e. octonotata*, all new species; *hemerodromia supersticiosa* found killing an *erythroneura*. B: P. M. (3546)

[Walsh, B: Dann and Riley, C: Valentine.] The apple-root plant-louse. *Eriosoma pemphigus* pyri. Fitch. (Amer. entom., Jan. 1869, v. 1, p. 81-84, fig. 70-72.)

Habits and ravages, description and figures, enemies and parasites of and means against *schizoneura lanigera*; evidences of the presence of this insect in orchards; doubts whether *eriosoma [schizoneura] pyri* is the same as *e. [s.] lanigera*; generic differences between *pemphigus* and *eriosoma*; confinement of aphididae to the food-plants peculiar to each; description and figure of larva, puparium and imago of *pipira radicum* n. sp. B: P. M. (3547)

[Walsh, B: Dann and Riley, C: Valentine.] The asparagus beetle: *crioceris asparagi*. Linn. (Amer. entom., Feb. 1869, v. 1, p. 114-115, 77 cm., fig. 94; p. 144, 1 cm.)

Introduction into United States, natural history, ravages and parasites of and means against *crioceris asparagi*; figure of eggs, larvae and imago of this insect; importance of asparagus culture. B: P. M. (3548)

[Walsh, B: Dann and Riley, C: Valentine.] The boll-worm. *Heliothis armigera*. Hubner. (Amer. entom., July 1869, v. 1, p. 112-214, 92 cm., fig. 150-151.)

Habits, seasons, ravages and food-plants of and means against *heliothis armigera*; description and figures of all stages of this insect. B: P. M. (3549)

[Walsh, B: Dann and Riley, C: Valentine.] The hellgrammite fly. *Corydalis cornutus*. Linn. (Amer. entom., Dec. 1868, v. 1, p. 61-62, 71 cm., fig. 56-57.)

Description of habits and figures of larva, pupa and imago of *corydalis cornutus*; description and figure of eggs of *belostomatia grande*, mistaken for those of this insect. B: P. M. (3550)